

FEDERAL DEFENDANTS'
DECLARATION OF
BRUCE P. STRAUSS

ATTACHMENT 1

Wagner v. U.S. Dep't of Energy
Civil No. 08-00136-HG-KSC (D. Haw.)

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Bruce P. Strauss
2415 Stratton Drive
Potomac, MD 20854-6228

Education

S.B. (1964)	Massachusetts Institute of Technology
Sc.D. (Ph.D.) (1967)	Massachusetts Institute of Technology
MBA (1972)	University of Chicago
Certificate in Financial Planning (1983)	Boston University

Certifications

Licensed Professional Engineer	Illinois (62-035354)
Registered Professional Engineer	Massachusetts (32680)

Experience

2001-Present U. S. Department of Energy

1997-2001 Massachusetts Institute of Technology*

(* Note: From 1997 to 2001 I was at the Department of Energy under the Intergovernmental Personal Act. I was in actuality a Visiting Scientist at MIT. I continue to hold that position at MIT without pay.)

U.S. Department of Energy as a Program Manager/Physicist

- Program manager for the Large Hadron Collider (LHC) accelerator \$110 million US construction project at CERN in Geneva, Switzerland.
- Program manager for the LHC Accelerator Research Program. (LARP)
- Program manager for the Wilson Hall upgrade construction project at FNAL.
- Chair of the CERN LHC magnet procurement review committee.
- Co-chair of the ITER superconductor external procurement review committee and magnet risk assessment committee.
- Co-instituted a continuing national laboratory, university and US industry development program to improve superconductors for future particle accelerators.
- Organized major technical, cost and schedule management reviews.
- Promoted entrepreneurial awareness at DOE laboratories to solve budget crisis issues.
- Executive Secretary of the High Energy Physics Advisory Panel

1985-1997 Cosine, Inc. - Vice President

Senior Consultant to government agencies and corporations for due diligence studies, cost estimates and re-engineering projects; \$100 million to \$8 billion budgets.

- Successfully project managed technical feasibility, management and cost reviews for the U.S. Department of Energy for projects with budgets over \$500 million including the Superconducting Super Collider.

- Advised government senior executives on investment strategies for technical development and implementation resulting in a \$25 million development program.
- Developed and explored new business opportunities with Babcock & Wilcox accomplishing technology transfer from defense oriented business to civilian applications. Helped to secure \$100 million production contract.
- Project managed due diligence study for Department of Defense on conversion technologies related to civilian energy usage that will impact a newly deregulated electric power industry.

1979-1984 Magnetic Corporation of America-Principal Research Engineer/Production Director

Supervised 30 engineers and technicians who implemented new production and quality control procedures which transitioned manufacturing capability from one of a kind to large job lots.

- Instituted new manufacturing process and quality control standards which increased productivity and yields by 10%.
- Facilitated entry into devices and support for Magnetic Resonance Imaging market.

1969 - 1979 Fermi National Accelerator Laboratory-Assistant Division Director

Managed major technical and managerial projects for \$25 million upgrade project at this national laboratory.

- Assistant Division Head of the Tevatron Project.
- Successfully acquired over \$12 million of high technology superconducting wire.
- Wrote new specifications, controlled all inventories of raw materials, and negotiated supply contracts.
- Applying industrial methods to a research laboratory realizing a 35% savings in costs and improved quality and deliveries.

1968-1969 Argonne National Laboratory

- Superconducting magnet research

1967-1968 Avco Everett Research Laboratory

- Models of superconductor static and dynamic thermal stability.

Community

Applied Superconductivity Conference, Inc. - Board of Directors and Treasurer
IEEE Council on Applied Superconductivity – Administrative Committee and Treasurer
International Magnet Technology Conference – Member of the International Organizing Committee and co-chair of MT-20
Particle Accelerator Conference – Program Committee Member

Honors

Sigma Xi
Fellow-Institute of Electrical and Electronic Engineers (IEEE)